

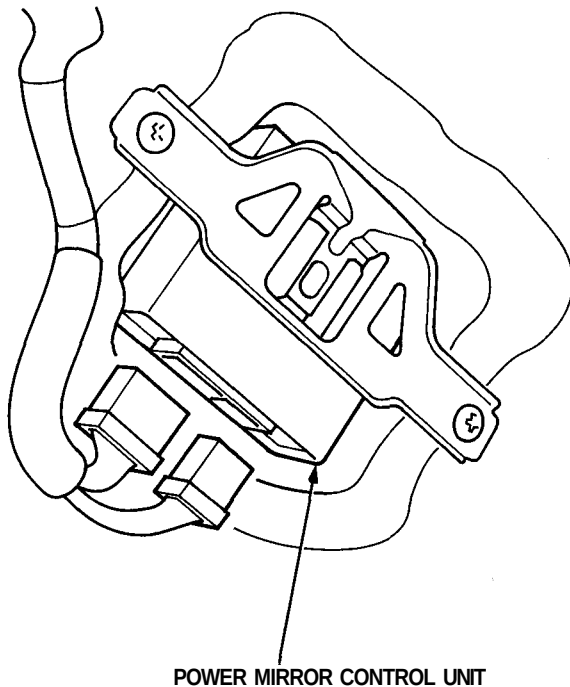
Driving Position Memory System (DPMS)

Power Mirror Control Unit Input Test

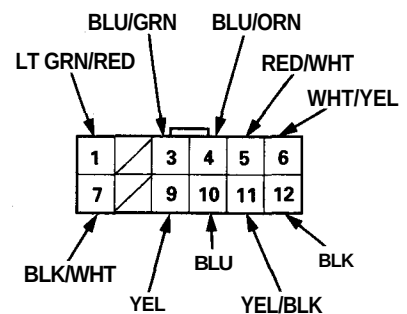
1. Remove the driver's door panel (see [section 20](#)).
2. Disconnect the power mirror control unit connectors.
3. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, make the following input tests at the connector.
 - If a test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, substitute a known-good control unit, and recheck the system.

NOTE:

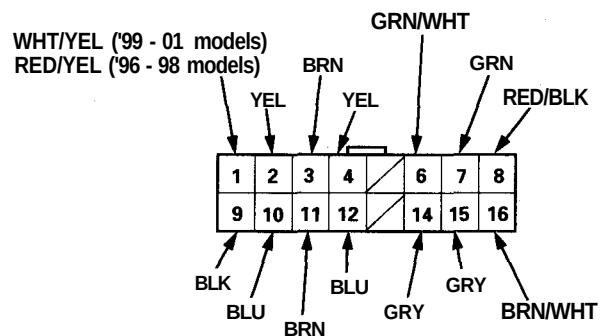
- If all the control unit (steering column, power seat, power mirror) input tests prove OK, disconnect all three control units, and check for opens or shorts in the communication lines.
- All connector views are from wire side of female terminals.



12P CONNECTOR "A"



16P CONNECTOR "B"



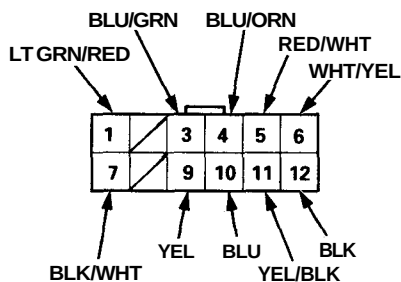
Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
A6	WHT/YEL	Under all conditions	Check for voltage to ground: There should be battery voltage.	• Blown No. 56 (7.5 A) fuse in the under-hood fuse/relay box • An open in the wire
B1	RED/YEL (WHT/YEL)	Under all conditions		• Blown No. 54 (20 A) or No. 56 (7.5 A) fuse in the under-hood fuse/relay box • An open in the wire
A11	YEL/BLK	Ignition switch ON (II)		• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • An open in the wire
A12	BLK	Under all conditions.	Check for continuity to ground: There should be continuity.	• Poor ground (G401, G402 or G251) • An open in the wire
B9	BLK			
A3	BLU/GRN	Ignition switch ON (II), and power mirror selector switch to right, then press the power mirror switch "Right"	Check for voltage to ground: There should be battery voltage.	• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • Faulty power mirror switch • An open in the wire
A4	BLU/ORN	Ignition switch ON (II), and power mirror selector switch to right, then press the power mirror switch "Left" or "Down"	Check for voltage to ground: There should be battery voltage.	• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • Faulty power mirror switch • An open in the wire
A5	RED/WHT	Ignition switch ON (II), and power mirror selector switch to right or left, then press the power mirror switch "UP"	Check for voltage to ground: There should be battery voltage.	• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • An open in the wire
A9	YEL	Ignition switch ON (II), and power mirror selector switch to left, then press the power mirror switch "Right"	Check for voltage to ground: There should be battery voltage.	• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • Faulty power mirror switch • An open in the wire
A10	BLU	Ignition switch ON (II), and power mirror selector switch to left, then press the power mirror switch "Left" or "Down"	Check for voltage to ground: There should be battery voltage.	• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • Faulty power mirror switch • An open in the wire

(cont'd)

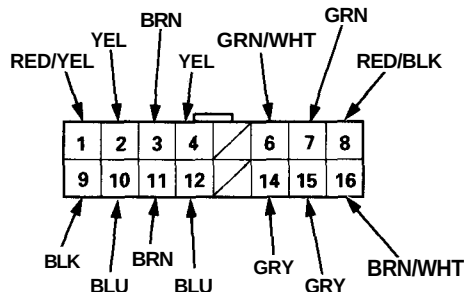
Driving Position Memory System (DPMS)

Power Mirror Control Unit Input Test (cont'd)

12P CONNECTOR "A"



16P CONNECTOR "B"



Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
B3 - B4	BRN - YEL	Connect battery power to the B3 terminal, and B4 terminal to the B9 terminal momentarily.	Check the right power mirror actuator operation: The mirror should swing left.	- Faulty right power mirror actuator - An open in the wire
B3 - B12	BRN - BLU	Connect battery power to the B3 terminal, and B12 terminal to the B9 terminal momentarily.	Check the right power mirror actuator operation: The mirror should tilt down.	- Faulty right power mirror actuator - An open in the wire
B2 - B11	YEL - BRN	Connect battery power to the B11 terminal, and B2 terminal to the B9 terminal momentarily.	Check the left power mirror actuator operation: The mirror should swing left.	- Faulty left power mirror actuator - An open in the wire
B10 - B11	BLU - BRN	Connect battery power to the B11 terminal, and B10 terminal to the B9 terminal momentarily.	Check the left power mirror actuator operation: The mirror should tilt down.	- Faulty left power mirror actuator - An open in the wire

Reconnect all connectors to the power mirror control unit.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
B8 - B16	RED/BLK - BRN/WHT	Ignition switch ON (II) NOTE: Connect all mirror control unit connectors.	Check for voltage between the terminals: There should be about 5 V.	- Faulty power mirror position sensors - An open in the wire
B7 - B16	GRN - BRN/WHT	Ignition switch ON (II) NOTE: Connect all mirror control unit connectors.	Check for voltage between the terminals: The voltage should change from about 1 V to 3 V when the right mirror swings from left to right.	- Faulty right power mirror position sensor - An open in the wire
B15 - B16	GRY - BRN/WHT	Ignition switch ON (II) NOTE: Connect all mirror control unit connectors.	Check for voltage between the terminals: The voltage should change from about 1 V to 3 V when the right mirror tilts from up to down.	- Faulty right power mirror position sensor - An open in the wire
B6 - B16	GRN/WHT - BRN/WHT	Ignition switch ON (II) NOTE: Connect all mirror control unit connectors.	Check for voltage between the terminals: The voltage should change from about 1 V to 3 V when the left mirror swings from right to left.	- Faulty left power mirror position sensor - An open in the wire
B14 - B16	GRY - BRN/WHT	Ignition switch ON (II) NOTE: Connect all mirror control unit connectors.	Check for voltage between the terminals: The voltage should change from about 1 V to 3 V when the left mirror tilts from up to down.	- Faulty left power mirror position sensor - An open in the wire